

इंटरनेट

मानक

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Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 13896 (1994): Machine operators table and visual display unit (VDU) table- [CED 35: Furniture]



“ज्ञान से एक नये भारत का निर्माण”

Satyanarayan Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartrhari—Nitiśatakam

“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

मशीन प्रचालक के लिए मेज और विजियूअल डिस्प्ले यूनिट
(वी० डी० यू०) के लिए मेज — विशिष्ट

Indian Standard

**MACHINE OPERATORS TABLE AND VISUAL
DISPLAY UNIT (VDU) TABLE —
SPECIFICATION**

UDC 684.44

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BUREAU OF INDIAN STANDARDS
MANAK BHAVAN, 9 BAHADUR SHAH ZAFAR MARG
NEW DELHI 110002

FOREWORD

This Indian Standard was adopted by the Bureau of Indian Standards, after the draft finalized by the Furniture Sectional Committee had been approved by the Civil Engineering Division Council.

In the formulation of this standard due weightage has been given to international co-ordination among the standards and practices prevailing in different countries in addition to relating to the practices in the field in this country.

The committee responsible for the formulation of this standard is given at Annex B.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated, expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 1960 'Rules for rounding off numerical values (*revised*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Indian Standard

MACHINE OPERATORS TABLE AND VISUAL DISPLAY UNIT (VDU) TABLE — SPECIFICATION

1 SCOPE

This standard covers requirements of materials, construction and finish for the machine operators table and visual display unit table. The machine operators table and visual display unit table should have two levels (split level) — one for the visual display unit and the other for the key board.

2 REFERENCES

The Indian Standards listed in Annex A are necessary adjuncts to this standard.

3 MATERIALS

3.1 Wooden Table Tops

Wooden table tops shall be according to 4 of IS 4414 : 1990.

3.2 Electrodes

Electrodes for gas, arc and spot welding shall conform to IS 1278 : 1972, IS 814 : 1991 and IS 4972 : 1986.

3.3 Mild Steel Rounds and Flats

Mild steel rounds and flats shall conform to grade Fe 310-0 (Se-32-0) of IS 1977 : 1975 and Sections shall conform to IS 1732 : 1989 or IS 1730 : 1989.

3.4 Mild Steel Sheets

Mild steel sheets shall conform to Grade 0 of IS 513 : 1986 or Grade 0 of IS 1079 : 1988.

3.5 Mild Steel Tubes

Mild steel tubes shall conform to IS 7138 : 1973.

3.6 Screws

Screws shall conform to IS 1365 : 1978.

3.7 Steel Wires

Steel wires where used shall be steel wire for springs conforming to Grade 1 of IS 4454 (Part 1) : 1981.

4 DIMENSIONS (Refer Fig. 1)

- a) Height from ground to (A) : 720 ± 5
top surface
- b) Width of top not less than (B) : 890

- c) Depth of top not less than (C) : 760
- d) Knee space clear width (D) : 540
not less than
- e) Knee space height not less (E) : 630
than

5 FABRICATION

5.1 The table shall be fabricated in two levels (split level) one for visual display unit and one for key board.

5.2 The framework shall be sturdy.

5.3 Wrist Rest may be provided as an optional accessory for the comfort of the operator.

6 FINISHING

6.0 All the steel items specified shall be finished as specified in 6.1 to 6.4.

6.1 All dents, burrs and sharp edges shall be removed from various components and they shall be pickled, scrubbed and rinsed to remove grease, rust, scale or any other foreign matter.

6.2 Immediately after pickling, all mild steel parts shall be given phosphating treatment in accordance with IS 3618 : 1966, followed by a coat of suitable primer, such as red oxide (see Note).

NOTE — Putty shall be applied to all the surfaces requiring filling coat with enamel conforming to IS 110 : 1983. Aluminium primer shall conform to IS 5660 : 1970.

6.3 Two coats of enamel paints shall then be applied as follows:

- a) Under coat conforming to IS 149 : 1950;
and
- b) Finish coat with enamel conforming to IS 151 : 1985, IS 2932 : 1974 or IS 2933 : 1975.

6.4 The finish shall be smooth and uniform with a hard and tough film of enamel strongly adhering to the surface. The finish shall be free from all visible defects and the film shall not chip when tapped lightly with a dull pointed instrument.

6.5 All other components shall be finished in colour as agreed to between the purchaser and the manufacturer.

6.6 Powder coating as specified in IS 13871 : 1993 may be done on mild steel components if required by the purchaser.

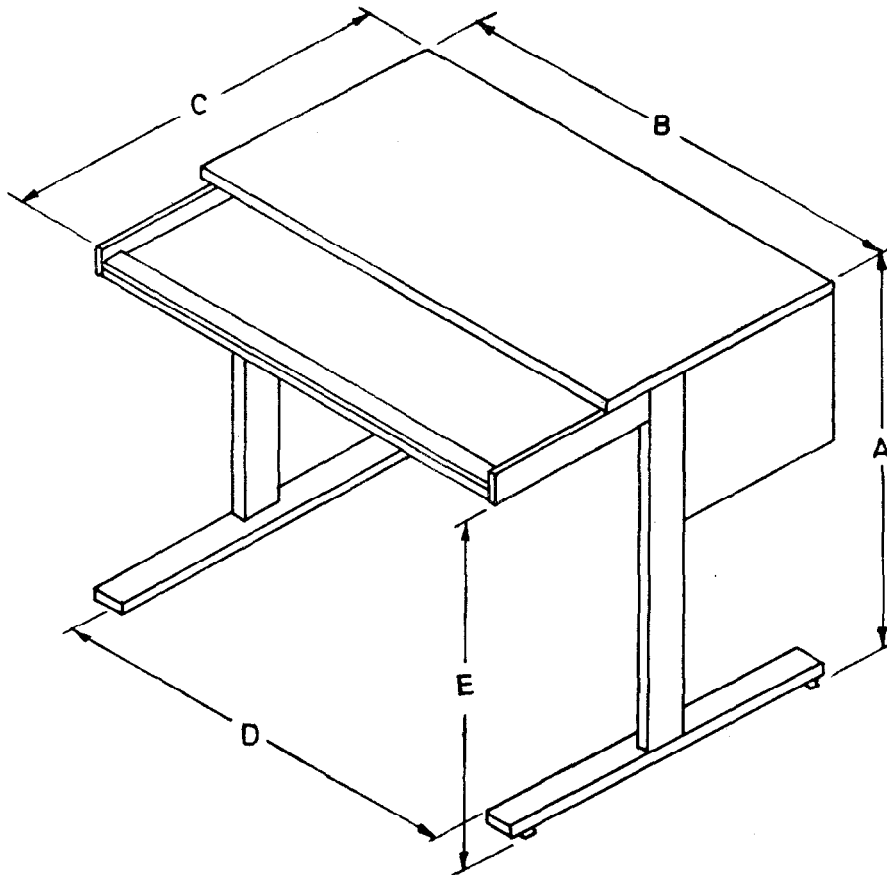


FIG. 1 MACHINE OPERATORS AND VISUAL DISPLAY UNIT TABLE

7 PERFORMANCE REQUIREMENT OF FINISH FOR STEEL

7.1 Hardness Test

Test to be carried out in accordance with 5 of IS 101 (Part 5/Sec 1) : 1988.

7.2 Flexibility and Adhesion Test

Test to be carried out in accordance with 2 of IS 101 (Part 5/Sec 2) : 1988.

7.3 Impact Resistance Test

Test to be carried out in accordance with IS 101 (Part 5/Sec 3) : 1988.

7.4 Resistance to Humidity under Conditions of Condensation

Test to be carried out in accordance with 2 of IS 101 (Part 6/Sec 1) : 1988.

8 MARKING

8.1 All items manufactured in accordance with this standard shall be marked with a suitable mark identifying the manufacturer.

8.2 They may also be marked with the Standard Mark.

8.2.1 The use of the Standard Mark is governed by the provisions of Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

ANNEX A

(Clause 2)

LIST OF REFERRED INDIAN STANDARDS

<i>IS No.</i>	<i>Title</i>	<i>IS No.</i>	<i>Title</i>
101 (Part 5/Sec 1) : 1988	Methods of sampling and test for paints, varnishes and related products: Part 5 Mechanical test on paint films, Section 1 Hardness test (<i>third revision</i>)	1079 : 1988	Hot rolled carbon steel sheet and strip (<i>fourth revision</i>)
101 (Part 5/Sec 2) : 1988	Methods of sampling and test for paints, varnishes and related products: Part 5 Mechanical test on paint films, Section 2 Flexibility and adhesion tests (<i>third revision</i>)	1278 : 1972	Filler rods and wires for gas welding (<i>second revision</i>)
101 (Part 5/Sec 3) : 1988	Methods of sampling and test for paints, varnishes and related products: Part 5 Mechanical test on paint films, Section 3 Impact resistance (falling ball test) (<i>third revision</i>)	1365 : 1978	Slotted countersunk head screws (<i>third revision</i>)
101 (Part 6/Sec 1) : 1988	Methods of sampling and test for paints, varnishes and related products: Part 6 Durability tests, on paint films, Section 1 Resistance to humidity under conditions of condensation	1730 : 1989	Dimensions for steel flats for structural and general engineering purposes (<i>second revision</i>)
110 : 1983	Ready mixed paint, brushing grey filler, for enamels for use over primers (<i>first revision</i>)	1732 : 1989	Dimensions of round and square steel bars for structural and general engineering purposes (<i>first revision</i>)
149 : 1950	Ready mixed paint, spraying, undercoating, stoving, for enamels and general purposes, colour as required	1977 : 1975	Structural steel (ordinary quality) (<i>second revision</i>)
151 : 1985	Ready mixed paint, spraying, finishing, stoving, enamel, for general purposes, colour as required (<i>first revision</i>)	2932 : 1974	Enamel, synthetic, exterior: (a) undercoating, (b) finishing (<i>first revision</i>)
513 : 1986	Cold-rolled low carbon steel sheets and strips (<i>third revision</i>)	2933 : 1975	Enamel exterior : (a) undercoating, (b) finishing (<i>first revision</i>)
814 : 1991	Covered electrodes for metal arc welding of carbon and carbon manganese steel (<i>fifth revision</i>)	3618 : 1966	Phosphate treatment of iron and steel for protection against corrosion
		4414 : 1990	Specification for wooden table tops (<i>second revision</i>)
		4454 (Part 1) : 1981	Steel wires for cold framed springs: Part 1 Patented and cold drawn steel wires — unalloyed (<i>second revision</i>)
		4972 : 1986	Resistance spot welding electrodes
		5660 : 1970	Ready mixed paint, brushing, aluminium red oxide primer
		7138 : 1973	Steel tubes for furniture purposes
		13871 : 1993	Powder coatings — Specification

ANNEX B

(Foreword)

COMMITTEE COMPOSITION

Furniture Sectional Committee, CED 35

<i>Chairman</i>	<i>Representing</i>
SHRI J. A. PANCHAL	National Institute of Design, Ahmedabad
<i>Members</i>	
SHRI J. G. SEWAK (<i>Alternate to</i> Shri J. A. Panchal)	
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SHRI R. M. KARKHANIS (<i>Alternate</i>)	
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SHRI L. R. PAHWA	Indian Tourism Development Corporation, New Delhi
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SHRI R. S. JUNEJA	
Deputy Director (Civ Engg), BIS	

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SHRI I. P. FIGUREDO	Godrej and Boyce Mfg Co Pvt Ltd, Bombay
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SHRI P. A. PATEL (*Alternate*)
SHRI H. K. RAKHRA
SHRI TILAK RAJ (*Alternate*)

Representing

Office of the Development Commissioner (Small Scale Industries),
New Delhi

Small Scale Steel Furniture Manufacturers Association (Regd),
New Delhi

National Institute of Design, Ahmedabad

Chandan Metal Products Pvt Ltd, Vadodara

Engineer-in-Chief's Branch, Army Headquarters, New Delhi

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Amendments Issued Since Publication

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BUREAU OF INDIAN STANDARDS

Headquarters:

Manak Bhavan, 9 Bahadur Shah Zafar Marg, New Delhi 110002
Telephones : 331 01 31, 331 13 75

Telegrams : Manaksanstha
(Common to all offices)

Regional Offices :

	Telephone
Central : Manak Bhavan, 9 Bahadur Shah Zafar Marg NEW DELHI 110002	{ 331 01 31 331 13 75
Eastern : 1/14 C. I. T. Scheme VII M, V. I. P. Road, Maniktola CALCUTTA 700054	{ 37 84 99, 37 85 61 37 86 26, 37 86 62
Northern : SCO 445-446, Sector 35-C, CHANDIGARH 160036	{ 53 38 43, 53 16 40 53 23 84
Southern : C. I. T. Campus, IV Cross Road, MADRAS 600113	{ 235 02 16, 235 04 42 235 15 19, 235 23 15
Western : Manakalaya, E9 MIDC, Marol, Andheri (East) BOMBAY 400093	{ 632 92 95, 632 78 58 632 78 91, 632 78 92

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